

### 3.2.2 Ecological Priorities *within* each Ecological Landscape

Many different factors and processes can be used to identify ecological priorities for implementing conservation actions. For example, at an Ecological Landscape scale, priorities could be established by evaluating what actions are most easily accomplished, what actions best fit a site's capability, which actions would combine the efforts of multiple partners, or which actions address the needs of the rarest, most imperiled species in an area of the state. Different groups will identify priorities using different criteria based on their particular interests.

In the following section, ecological priorities (at a landscape scale) are identified by evaluating three components: species' distributions; their associations with habitats (natural communities); and the importance that the Ecological Landscape plays in a given natural community's management. These three components were evaluated to see where all were maximized at the same time.

As was described in Section 2.2, Ecological Landscapes are comprised of mosaics of natural communities and other land cover types (e.g., urban and agriculture). For any given natural community, some landscapes represent major opportunities for management and restoration, and others are less important. Similarly, in addition to a species' degree of probability of occurring in an Ecological Landscape, species have different levels of association with different natural communities. For example, Franklin's Ground Squirrels are significantly associated with oak barrens and pine barrens, but are moderately associated with dry-mesic prairies. More about Species of Greatest Conservation Need's habitat associations is covered in Section 3.3.

Given this "triangle" of the three combinations of species-natural community-Ecological Landscape interactions, it is possible to identify those combinations for each Ecological Landscape that potentially represent the best opportunities (e.g., from a capability, opportunity, or ecological potential perspective) to manage, protect, restore, and/or sustain Species of Greatest Conservation Need in specific natural communities. That is, those high priority situations where *all* of the following are true:

- There is a **high** or **moderate** degree of probability that the Species of Greatest Conservation Need occurs in manageable numbers in the Ecological Landscape, *AND*
- The Species of Greatest Conservation Need is **significantly** or **moderately** associated with the natural community, *AND*
- The Ecological Landscape represents a **major** opportunity to manage or sustain that natural community.

Because this analysis incorporated statewide characteristics that are independent of one another, there is not an even distribution of these high priority combinations across the Ecological Landscapes. Although it did not happen, it was possible that one or more Ecological Landscapes could have had no "species-natural community-Ecological Landscape" combinations meet all three of these criteria. As it turned out, the Southern Lake Michigan Coastal had the fewest "high scoring" combinations, while the Western Coulee and Ridges had the most. There are, of course, many factors that influence this wide range, including size of the landscape, current and past land uses, diversity of habitats and patch sizes.

Tables 3-25 to 3-40, Ecological priority habitat-species opportunities within Ecological Landscapes, present the high scoring "species-natural community-Ecological Landscape" combinations. The following list identifies the page on which each set of combinations appear, presented by Ecological Landscape: Superior Coastal Plain (3-328), Northwest Lowlands (3-331), Northwest Sands (3-333), North Central Forest (3-337), Northern Highland (3-342), Forest Transition (3-345), Northeast Sands (3-347), Northern Lake Michigan Coastal (3-349), Central Lake Michigan Coastal (3-352), Western Prairie (3-354), Western Coulee and Ridges (3-357), Southwest Savanna (3-366), Central Sand Plains (3-369), Central Sand Hills (3-373), Southeast Glacial Plain (3-376), and Southern Lake Michigan Coastal (3-384). The third column of each table is organized by vertebrate taxa group (birds, fish, herptiles, and

mammals). If a taxa group is not listed, then no Species of Greatest Conservation Need in that taxa group met the criteria. When interpreting and using the information presented in these tables, it will be imperative for readers to consider the following issues:

- 1. Groups of species with similar needs .** Readers are encouraged to *use these lists simply as starting points in planning and implementing various conservation efforts*. For example, projects focused on a particular species-natural community-ecological landscape combination may be able to incorporate the needs of many other Species of Greatest Conservation Need species (as well as those species that are not rare or declining) that also occur in that natural community in the Ecological Landscape.
- 2. Potential compatibility issues.** In some cases, although the high-scoring Species of Greatest Conservation Need listed together within a natural community are all significantly or moderately associated with that natural community, they may have different management needs, may use the habitat at different times of the year, or at different life stages. At times, managing for one or several Species of Greatest Conservation Need may conflict with other Species of Greatest Conservation Need. This is not to be unexpected and ecologists and land managers have long wrestled with how best to balance species' management needs.
- 3. Species of Greatest Conservation Need that fall through the “coarse filter” (that is they have no high scoring combinations at the landscape level).** Seven (7) out of the 152 vertebrate Species of Greatest Conservation Need do not meet all the criteria listed above and thus do not appear in any of the ecological priority habitat-species opportunities by Ecological Landscape tables presented in the following section. Generally speaking, these species tend to be associated with natural communities in areas of the state that do not represent the best opportunities to manage for those communities, or there is only a moderate probability that they occur in manageable numbers within an Ecological Landscape. As readers will see in Table 3-23, most of these species have a low or very low relative abundance in Wisconsin compared to the rest of their range. See Section 3.1 for further discussion on the relative abundance of species.

*The Department and its partners will need to ensure that adequate conservation actions are implemented at “finer scales” (both the natural community and species levels) to meet the needs of those species that are not well represented in this Ecological Landscape scale assessment.*

**Table 3-23. Vertebrate Species of Greatest Conservation Need with no high scoring “natural community-Ecological Landscape” combinations**

	<b>Vertebrate Species of Greatest Conservation Need with no high scoring combinations at the landscape scale</b>		
	Species with <b>high</b> relative abundance in WI compared with the rest of their range	Species with <b>moderate to low</b> relative abundance in WI compared with the rest of their range	Species with <b>very low</b> relative abundance in WI compared with the rest of their range
Mammals			
Birds		American Black Duck	Barn Owl
			Kirtland's Warbler
Herptiles			Western Ribbon Snake
Fishes			American Eel
			Skipjack Herring
			Striped Shiner

- 4. Species of Greatest Conservation Need with only a limited number (4 or fewer) of high scoring natural community-ecological landscape combinations.** Some Species of Greatest Conservation Need have high-scoring “natural community-Ecological Landscape” combinations only a few times. For example, Kentucky Warbler only shows up in the following tables three times (in the Western Coulee and Ridges in floodplain forest, dry-mesic forests, and mesic forests). Similarly, Boreal Chickadee is a high priority only three times (in northern wet forests in the Northwest Lowlands, North Central Forest, and Northern Highland). Species with four or fewer high scoring natural community-Ecological Landscape combination scores are listed in the table below, arranged by their relative abundance in Wisconsin.

**Table 3-24. Vertebrate Species of Greatest Conservation Need with only a limited number of high scoring “natural community-Ecological Landscape” combinations**

Species of Greatest Conservation Need with 4 or fewer high scoring combinations at the landscape scale			
	Species with <b>high</b> relative abundance in WI compared with the rest of their range	Species with <b>moderate to low</b> relative abundance in WI compared with the rest of their range	Species with <b>very low</b> relative abundance in WI compared with the rest of their range
Mammals		American Marten	White-tailed Jackrabbit
Birds		Greater Prairie-Chicken	Snowy Egret
		Nelson's Sharp-tailed Sparrow	Yellow-throated Warbler
		Red-necked Grebe	
		Worm-eating Warbler	
		Boreal Chickadee	
		Kentucky Warbler	
		Wilson's Phalarope	
		King Rail	
		Spruce Grouse	
		Caspian Tern	
Herptiles		Midland Smooth Softshell Turtle	Western Worm Snake
		Northern Ribbon Snake	
Fishes	Kiyi	Lake Chubsucker	Goldeye
	Shortjaw Cisco	Black Redhorse	Bluntnose Darter
	Blue Sucker	Gravel Chub	Pallid Shiner
	Crystal Darter	Paddlefish	
		Shoal Chub (Speckled Chub)	
		Slender Madtom	
		Ozark Minnow	
		Black Buffalo	

Readers are encouraged to note those infrequent situations where these Species of Greatest Conservation Need do occur because these natural community-landscape combinations may represent their best opportunities for management and recovery in the state. In the following tables, species that with four or fewer high scoring “species-natural community-Ecological Landscape” combinations are *italicized* in the individual Ecological Landscape tables below.

- 5. Invertebrate Species of Greatest Conservation Need.** As discussed in Section 8, due to a number of issues invertebrates are not necessarily associated with the natural communities used in this report. Further, the range and distribution for many invertebrates are not well correlated with the Ecological

Landscapes used in the report. As a result, invertebrate Species of Greatest Conservation Need are not listed in the tables in this section. Readers are encouraged to reference the material in Section 8 for further discussion of habitat associations and distributions of invertebrate Species of Greatest Conservation Need and how their needs could be incorporated into the high scoring vertebrate “species-natural community-Ecological Landscape” combinations.

- 6. Natural Communities that do not harbor any vertebrate Species of Greatest Conservation Need** A few natural communities that are “**major**” opportunities within an Ecological Landscape do not harbor any vertebrate Species of Greatest Conservation Need that have a high scoring “species-natural community-Ecological Landscape” combinations. These communities (dry and moist cliffs, Great Lakes rockshore, and algific talus slopes) tend to occupy small areas, both historically and currently. These natural communities can be *very important* for many rare invertebrates and plants.
- 7. Vertebrate Species of Greatest Conservation Need listed multiple times as priorities.** Readers will also see in the following pages that some species meet the “species-natural community-Ecological Landscape” priority combinations many times. For example, Wood Turtle is listed 79 times in the following tables. These species tend to be associated with many habitats and occur in many regions of the state.

**Table 3-25. Ecological Priority habitat-species opportunities within the Superior Coastal Plain**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Superior Coastal Plain Ecological Landscape</b>	<b>Species of Greatest Conservation Need Determined to be high priority based on their Community-Landscape combination scores</b>	
Northern Forest	Boreal Forest	<b>Birds (5)</b> Black-backed Woodpecker Olive-sided Flycatcher Least Flycatcher Veery Canada Warbler  <b>Herptiles (1)</b> Four-toed Salamander	<b>Mammals (9)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf <i>American Marten</i> Moose
Barrens	Great Lakes Barrens	<b>Herptiles (1)</b> Wood Turtle	<b>Mammals (1)</b> Northern Flying Squirrel
Wetlands	Emergent Aquatic	<b>Birds (14)</b> American Bittern Trumpeter Swan Blue-winged Teal American Golden Plover Solitary Sandpiper Whimbrel Hudsonian Godwit Marbled Godwit Dunlin Buff-breasted Sandpiper Short-billed Dowitcher Common Tern Black Tern Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
	Emergent Aquatic-Wild Rice	<b>Birds (5)</b> Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Black Tern	<b>Herptiles (1)</b> Mink Frog
	Great Lakes Coastal Fen	<b>Birds (3)</b> Trumpeter Swan Yellow Rail Le Conte's Sparrow  <b>Herptiles (3)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog	<b>Mammals (3)</b> Eastern Red Bat Hoary Bat Silver-haired Bat
	Interdunal Wetland	<b>Birds (1)</b> Solitary Sandpiper	<b>Herptiles (1)</b> Boreal Chorus Frog

Table 3-25 *continued*

Community Group	Natural Communities that are Major Opportunities in the Superior Coastal Plain Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Open Bog	<b>Birds (9)</b> American Bittern Northern Harrier Yellow Rail Solitary Sandpiper Olive-sided Flycatcher Golden-winged Warbler Le Conte's Sparrow Bobolink Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (6)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf Moose
	Submergent Aquatic	<b>Birds (6)</b> Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Bald Eagle Black Tern	<b>Herptiles (3)</b> Pickerel Frog Mink Frog Wood Turtle  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
Miscellaneous Communities	Dry Cliff	<b>Birds (1)</b> Peregrine Falcon	
	Great Lakes Beach	<b>Birds (1)</b> Piping Plover Whimbrel Dunlin Common Tern	
	Great Lakes Dune	<b>Birds (1)</b> Piping Plover	<b>Mammals (1)</b> Franklin's Ground Squirrel
	Moist Cliff	None identified	
Aquatic	Coldwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (5)</b> Four-toed Salamander Mudpuppy Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-25 *continued*

Community Group	Natural Communities that are Major Opportunities in the Superior Coastal Plain Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Coolwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (4)</b> Four-toed Salamander Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Lake Superior	<b>Birds (3)</b> Horned Grebe Bald Eagle Common Tern  <b>Fish (3)</b> Lake Sturgeon Kiyi Shortjaw Cisco	<b>Herptiles (1)</b> Mudpuppy
	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (3)</b> Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (6)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose

**Table 3-26. Ecological Priority habitat-species opportunities within the Northwest Lowlands**

Community Group	Natural Communities that are Major Opportunities in the Northwest Lowlands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Northern Forest	Northern Wet Forest	<b>Birds (7)</b> Black-backed Woodpecker Olive-sided Flycatcher <i>Boreal Chickadee</i> Veery Golden-winged Warbler Connecticut Warbler Canada Warbler  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle	<b>Mammals (8)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf Moose
Wetland	Northern Sedge Meadow	<b>Birds (6)</b> American Bittern Blue-winged Teal Northern Harrier Black Tern Le Conte's Sparrow Bobolink  <b>Herptiles (5)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
	Open Bog	<b>Birds (9)</b> American Bittern Northern Harrier Solitary Sandpiper Olive-sided Flycatcher Golden-winged Warbler Connecticut Warbler Le Conte's Sparrow Bobolink Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (6)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf Moose



Table 3-26 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northwest Lowlands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Warmwater rivers	<b>Birds (1)</b> Osprey  <b>Fish (5)</b> Lake Sturgeon River Redhorse Greater Redhorse Longear Sunfish Gilt Darter	<b>Herptiles (4)</b> Mudpuppy Pickerel Frog Mink Frog Wood Turtle  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose

**Table 3-27. Ecological Priority habitat-species opportunities within the Northwest Sands**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Northwest Sands Ecological Landscape</b>	<b>Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores</b>	
Northern Forest	Northern Dry Forest	<b>Birds (6)</b> Whip-poor-will Black-backed Woodpecker Least Flycatcher Golden-winged Warbler Connecticut Warbler Red Crossbill	<b>Herptiles (1)</b> Northern Prairie Skink  <b>Mammals (2)</b> Northern Flying Squirrel Gray Wolf
	Northern Dry-Mesic Forest	<b>Birds (8)</b> Northern Goshawk Red-shouldered Hawk Whip-poor-will Least Flycatcher Veery Golden-winged Warbler Canada Warbler Red Crossbill	<b>Herptiles (1)</b> Prairie Skink  <b>Mammals (2)</b> Northern Flying Squirrel Gray Wolf
	Northern Wet Forest	<b>Birds (6)</b> Black-backed Woodpecker Olive-sided Flycatcher Veery Golden-winged Warbler Connecticut Warbler Canada Warbler	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle  <b>Mammals (4)</b> Water Shrew Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf
Barrens	Pine Barrens	<b>Birds (10)</b> Northern Harrier Sharp-tailed Grouse Upland Sandpiper Whip-poor-will Black-billed Cuckoo Brown Thrasher Connecticut Warbler Field Sparrow Vesper Sparrow Red Crossbill	<b>Herptiles (5)</b> Boreal Chorus Frog Wood Turtle Blanding's Turtle Northern Prairie Skink Bullsnaek  <b>Mammals (2)</b> Franklin's Ground Squirrel Gray Wolf

Table 3-27 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northwest Sands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland	Surrogate Grasslands	<b>Birds (12)</b> Blue-winged Teal Northern Harrier Sharp-tailed Grouse American Golden Plover Upland Sandpiper Marbled Godwit Brown Thrasher Field Sparrow Grasshopper Sparrow Le Conte's Sparrow Bobolink Eastern Meadowlark	<b>Mammals (1)</b> Franklin's Ground Squirrel
Wetland	Emergent Aquatic	<b>Birds (13)</b> <i>Red-necked Grebe</i> American Bittern Trumpeter Swan Blue-winged Teal American Golden Plover Solitary Sandpiper Hudsonian Godwit Marbled Godwit Dunlin Short-billed Dowitcher <i>Wilson's Phalarope</i> Black Tern Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Blanding's Turtle
	Emergent Aquatic-Wild Rice	<b>Birds (5)</b> Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Black Tern	<b>Herptiles (2)</b> Mink Frog Blanding's Turtle
	Northern Sedge Meadow	<b>Birds (10)</b> American Bittern Blue-winged Teal Northern Harrier Sharp-tailed Grouse Yellow Rail <i>Wilson's Phalarope</i> Black Tern Le Conte's Sparrow <i>Nelson's Sharp-tailed Sparrow</i> Bobolink	<b>Herptiles (6)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle

Table 3-27 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northwest Sands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Open Bog	<b>Birds (10)</b> American Bittern Northern Harrier Yellow Rail Solitary Sandpiper Olive-sided Flycatcher Golden-winged Warbler Connecticut Warbler Le Conte's Sparrow Bobolink Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (1)</b> Gray Wolf
	Submergent Aquatic	<b>Birds (8)</b> <i>Red-necked Grebe</i> Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Bald Eagle <i>Wilson's Phalarope</i> Black Tern	<b>Herptiles (4)</b> Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle
Aquatic	Coldwater streams	<b>Herptiles (6)</b> Four-toed Salamander Mudpuppy Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle	<b>Mammals (1)</b> Water Shrew
	Coolwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle	<b>Mammals (1)</b> Water Shrew

Table 3-27 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northwest Sands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont..)	Inland lakes	<b><i>Birds (7)</i></b> Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Osprey Bald Eagle Black Tern  <b><i>Fish (5)</i></b> Lake Sturgeon Pugnose Shiner Greater Redhorse Banded Killifish Least Darter	<b><i>Herptiles (5)</i></b> Mudpuppy Boreal Chorus Frog Pickerel Frog Mink Frog Blanding's Turtle  <b><i>Mammals (1)</i></b> Water Shrew
	Warmwater rivers	<b><i>Birds (5)</i></b> Canvasback Lesser Scaup Osprey Bald Eagle Dunlin	<b><i>Fish (5)</i></b> Lake Sturgeon River Redhorse Greater Redhorse Least Darter Gilt Darter  <b><i>Herptiles (5)</i></b> Mudpuppy Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle

**Table 3-28. Ecological Priority habitat-species opportunities within the North Central Forest**

Community Group	Natural Communities that are Major Opportunities in the North Central Forest Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Northern Forest	Northern Hardwood Swamp	<b>Birds (5)</b> American Woodcock Least Flycatcher Veery Golden-winged Warbler Canada Warbler	<b>Herptiles (2)</b> Four-toed Salamander Wood Turtle  <b>Mammals (9)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf Moose
	Northern Mesic Forest	<b>Birds (10)</b> Northern Goshawk Red-shouldered Hawk American Woodcock Black-billed Cuckoo Least Flycatcher Veery Wood Thrush Golden-winged Warbler Black-throated Blue Warbler Canada Warbler	<b>Mammals (10)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf <i>American Marten</i> Moose  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle
	Northern Wet Forest	<b>Birds (8)</b> <i>Spruce Grouse</i> Black-backed Woodpecker Olive-sided Flycatcher <i>Boreal Chickadee</i> Veery Golden-winged Warbler Connecticut Warbler Canada Warbler	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle  <b>Mammals (8)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf Moose

Table 3-28 *continued*

Community Group	Natural Communities that are Major Opportunities in the North Central Forest Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Northern Forest (cont.)	Northern Wet-Mesic Forest	<b>Birds (2)</b> Olive-sided Flycatcher Canada Warbler  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle	<b>Mammals (8)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf Moose
Wetland	Alder Thicket	<b>Birds (6)</b> American Woodcock Black-billed Cuckoo Veery Golden-winged Warbler Canada Warbler Rusty Blackbird  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Mink Frog	<b>Mammals (8)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf Wood Turtle Moose
	Emergent Aquatic	<b>Birds (5)</b> American Bittern Trumpeter Swan Solitary Sandpiper Black Tern Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
	Ephemeral Pond	<b>Birds (3)</b> Red-shouldered Hawk Solitary Sandpiper Rusty Blackbird  <b>Herptiles (5)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Woodland Jumping Mouse

Table 3-28 *continued*

Community Group	Natural Communities that are Major Opportunities in the North Central Forest Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Northern Sedge Meadow	<b>Birds (5)</b> American Bittern Northern Harrier Sharp-tailed Grouse Black Tern Bobolink  <b>Herptiles (5)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
	Open Bog	<b>Birds (9)</b> American Bittern Northern Harrier Spruce Grouse Solitary Sandpiper Olive-sided Flycatcher Golden-winged Warbler Connecticut Warbler Bobolink Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (6)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf Moose
	Submergent Aquatic	<b>Birds (5)</b> Trumpeter Swan Canvasback Lesser Scaup Bald Eagle Black Tern  <b>Herptiles (3)</b> Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
Aquatic	Coldwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (5)</b> Four-toed Salamander Mudpuppy Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat



Table 3-28 *continued*

Community Group	Natural Communities that are Major Opportunities in the North Central Forest Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Coolwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (4)</b> Four-toed Salamander Pickerel Frog Mink Frog Wood Turtle	<b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Impoundments/Reservoirs	<b>Birds (6)</b> Trumpeter Swan Canvasback Lesser Scaup Osprey Bald Eagle Black Tern  <b>Fish (2)</b> Lake Sturgeon Greater Redhorse	<b>Herptiles (4)</b> Mudpuppy Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (1)</b> Moose
	Inland lakes	<b>Birds (5)</b> Trumpeter Swan Canvasback Lesser Scaup Osprey Bald Eagle Black Tern  <b>Fish (3)</b> Lake Sturgeon Greater Redhorse Longear Sunfish	<b>Herptiles (4)</b> Mudpuppy Boreal Chorus Frog Pickerel Frog Mink Frog  <b>Mammals (6)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
	Warmwater rivers	<b>Birds (4)</b> Canvasback Lesser Scaup Osprey Bald Eagle  <b>Fish (4)</b> Lake Sturgeon Greater Redhorse Longear Sunfish Gilt Darter	<b>Herptiles (4)</b> Mudpuppy Pickerel Frog Mink Frog Wood Turtle  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose

Table 3-28 *continued*

Community Group	Natural Communities that are Major Opportunities in the North Central Forest Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper	<b>Herptiles (3)</b> Pickerel Frog Mink Frog Wood Turtle
		<b>Fish (3)</b> Greater Redhorse Longear Sunfish Gilt Darter	<b>Mammals (6)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose
Miscellaneous	Bedrock Glade	<b>Birds (1)</b> Whip-poor-will	
	Dry Cliff	None identified	
	Moist Cliff	None identified	

**Table 3-29. Ecological Priority habitat-species opportunities within the Northern Highland**

Community Group	Natural Communities that are Major Opportunities in the Northern Highland Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Northern Forest	Northern Dry-Mesic Forest	<b><i>Birds (9)</i></b> Northern Goshawk Whip-poor-will Least Flycatcher Veery Golden-winged Warbler Black-throated Blue Warbler Canada Warbler Red Crossbill	<b><i>Mammals (3)</i></b> Eastern Red Bat Northern Flying Squirrel Gray Wolf
	Northern Wet Forest	<b><i>Birds (8)</i></b> <i>Spruce Grouse</i> Black-backed Woodpecker Olive-sided Flycatcher <i>Boreal Chickadee</i> Veery Golden-winged Warbler Connecticut Warbler Canada Warbler	<b><i>Herptiles (2)</i></b> Four-toed Salamander Wood Turtle  <b><i>Mammals (6)</i></b> Water Shrew Eastern Red Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf Moose
Wetland	Emergent Aquatic	<b><i>Birds (9)</i></b> American Bittern Blue-winged Teal American Golden Plover Solitary Sandpiper Buff-breasted Sandpiper Dunlin Short-billed Dowitcher Black Tern Rusty Blackbird	<b><i>Herptiles (2)</i></b> Four-toed Salamander Mink Frog  <b><i>Mammals (2)</i></b> Eastern Red Bat Moose
	Emergent Aquatic-Wild Rice	<b><i>Birds (4)</i></b> Blue-winged Teal Canvasback Lesser Scaup Black Tern	<b><i>Herptiles (1)</i></b> Mink Frog
	Northern Sedge Meadow	<b><i>Birds (6)</i></b> American Bittern Blue-winged Teal Northern Harrier Yellow Rail Black Tern <i>Nelson's Sharp-tailed Sparrow</i>	<b><i>Herptiles (3)</i></b> Four-toed Salamander Mink Frog Wood Turtle  <b><i>Mammals (2)</i></b> Eastern Red Bat Moose

Table 3-29 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northern Highland Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Open Bog	<b>Birds (9)</b> American Bittern Northern Harrier <i>Spruce Grouse</i> Yellow Rail Solitary Sandpiper Olive-sided Flycatcher Golden-winged Warbler Connecticut Warbler Rusty Blackbird	<b>Herptiles (2)</b> Four-toed Salamander Mink Frog  <b>Mammals (3)</b> Eastern Red Bat Gray Wolf Moose
	Submergent Aquatic	<b>Birds (5)</b> Blue-winged Teal Canvasback Lesser Scaup Bald Eagle Black Tern	<b>Herptiles (2)</b> Mink Frog Wood Turtle  <b>Mammals (2)</b> Eastern Red Bat Moose
	Submergent Aquatic-Oligotrophic Marsh	<b>Herptiles (1)</b> Mink Frog	<b>Mammals (2)</b> Eastern Red Bat Moose
Aquatic	Coolwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (3)</b> Four-toed Salamander Mink Frog Wood Turtle	<b>Mammals (1)</b> Water Shrew Eastern Red Bat
	Inland lakes	<b>Birds (6)</b> Blue-winged Teal Canvasback Lesser Scaup Osprey Bald Eagle Black Tern  <b>Fish (5)</b> Lake Sturgeon Pugnose Shiner Greater Redhorse Longear Sunfish Least Darter	<b>Herptiles (2)</b> Mudpuppy Mink Frog  <b>Mammals (3)</b> Water Shrew Eastern Red Bat Moose

Table 3-29 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northern Highland Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Warmwater rivers	<b>Birds (5)</b> Canvasback Lesser Scaup Osprey Bald Eagle Dunlin  <b>Fish (4)</b> Lake Sturgeon Greater Redhorse Longear Sunfish Least Darter	<b>Herptiles (3)</b> Mudpuppy Mink Frog Wood Turtle  <b>Mammals (2)</b> Eastern Red Bat Moose
	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Fish (3)</b> Pugnose Shiner Longear Sunfish Least Darter	<b>Mammals (3)</b> Water Shrew Eastern Red Bat Moose

**Table 3-30. Ecological Priority habitat-species opportunities within the Forest Transition**

Community Group	Natural Communities that are Major Opportunities in the Forest Transition Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Northern Forest	Northern Mesic Forest	<b>Birds (10)</b> Northern Goshawk Red-shouldered Hawk American Woodcock Black-billed Cuckoo Least Flycatcher Veery Wood Thrush Golden-winged Warbler Black-throated Blue Warbler Canada Warbler	<b>Herptiles (2)</b> Four-toed Salamander Pickerel Frog Wood Turtle  <b>Mammals (8)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf
	Northern Wet-Mesic Forest	<b>Birds (1)</b> Canada Warbler  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle	<b>Mammals (7)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf
	Northern Wet Forest	<b>Birds (3)</b> Veery Golden-winged Warbler Canada Warbler  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle	<b>Mammals (7)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf
Aquatic	Coldwater streams	<b>Birds (2)</b> Solitary Sandpiper Louisiana Waterthrush  <b>Fish (1)</b> Redside Dace  <b>Herptiles (4)</b> Four-toed Salamander Mudpuppy Pickerel Frog Wood Turtle	<b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-30 *continued*

Community Group	Natural Communities that are Major Opportunities in the Forest Transition Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Coolwater streams	<b>Birds (2)</b> Solitary Sandpiper Louisiana Waterthrush  <b>Fish (1)</b> Redside Dace  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle	<b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Impoundments/Reservoirs	<b>Birds (10)</b> Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Osprey Bald Eagle American Golden Plover Dunlin Short-billed Dowitcher Black Tern	<b>Fish (1)</b> Redfin Shiner  <b>Herptiles (2)</b> Mudpuppy Pickerel Frog
	Warmwater rivers	<b>Birds (5)</b> Canvasback Lesser Scaup Osprey Bald Eagle Dunlin  <b>Fish (2)</b> Redfin Shiner Black Redhorse	<b>Herptiles (3)</b> Mudpuppy Pickerel Frog Wood Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Fish (3)</b> Redside Dace Ozark Minnow Redfin Shiner	<b>Herptiles (2)</b> Pickerel Frog Wood Turtle  <b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

**Table 3-31. Ecological Priority habitat-species opportunities within the Northeast Sands**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Northeast Sands Ecological Landscape</b>	<b>Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores</b>	
Northern Forest	Northern Dry Forest	<b>Birds (4)</b> Whip-poor-will Least Flycatcher Golden-winged Warbler Red Crossbill	<b>Mammals (2)</b> Northern Flying Squirrel Gray Wolf
	Northern Dry-Mesic Forest	<b>Birds (8)</b> Northern Goshawk Red-shouldered Hawk Whip-poor-will Least Flycatcher Veery Golden-winged Warbler Canada Warbler Red Crossbill	<b>Mammals (2)</b> Northern Flying Squirrel Gray Wolf
	Northern Wet-Mesic Forest	<b>Birds (1)</b> Canada Warbler  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle	<b>Mammals (4)</b> Water Shrew Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf
Barrens	Pine Barrens	<b>Birds (10)</b> Northern Harrier Sharp-tailed Grouse Upland Sandpiper Black-billed Cuckoo Whip-poor-will Brown Thrasher Field Sparrow Vesper Sparrow Lark Sparrow Red Crossbill	<b>Herptiles (2)</b> Wood Turtle Blanding's Turtle  <b>Mammals (1)</b> Gray Wolf
Grassland	Bracken Grassland	<b>Birds (7)</b> Northern Harrier Sharp-tailed Grouse Upland Sandpiper Brown Thrasher Field Sparrow Vesper Sparrow Grasshopper Sparrow	<b>Herptiles (2)</b> Wood Turtle Blanding's Turtle  <b>Mammals (1)</b> Gray Wolf



Table 3-31 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northeast Sands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Coldwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (6)</b> Four-toed Salamander Mudpuppy Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle	<b>Mammals (1)</b> Water Shrew
	Coolwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle	<b>Mammals (1)</b> Water Shrew
	Warmwater rivers	<b>Birds (2)</b> Osprey Bald Eagle  <b>Fish (1)</b> Lake Sturgeon	<b>Herptiles (5)</b> Mudpuppy Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle

**Table 3-32. Ecological Priority habitat-species opportunities within the Northern Lake Michigan Coastal**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Northern Lake Michigan Coastal Ecological Landscape</b>	<b>Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores</b>	
Northern Forest	Northern Mesic Forest	<b>Birds (10)</b> Northern Goshawk Red-shouldered Hawk American Woodcock Black-billed Cuckoo Least Flycatcher Veery Wood Thrush Golden-winged Warbler Black-throated Blue Warbler Canada Warbler	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle  <b>Mammals (8)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf
	Northern Wet-Mesic Forest	<b>Birds (2)</b> Olive-sided Flycatcher Canada Warbler  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle	<b>Mammals (7)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Northern Flying Squirrel Woodland Jumping Mouse Gray Wolf
Wetland	Boreal Rich Fen	<b>Birds (1)</b> Canada Warbler  <b>Herptiles (1)</b> Mink Frog	<b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Emergent Aquatic	<b>Birds (16)</b> American Bittern Great Egret <i>Snowy Egret</i> Blue-winged Teal American Golden Plover Solitary Sandpiper Whimbrel Hudsonian Godwit Marbled Godwit Dunlin Buff-breasted Sandpiper Short-billed Dowitcher Common Tern Forster's Tern Black Tern Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Pickerel Frog Mink Frog Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-32 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northern Lake Michigan Coastal Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Northern Sedge Meadow	<b>Birds (6)</b> American Bittern Blue-winged Teal Northern Harrier Yellow Rail Black Tern Bobolink	<b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Shrub Carr	<b>Birds (8)</b> American Woodcock Black-billed Cuckoo Yellow-billed Cuckoo Willow Flycatcher Veery Blue-winged Warbler Golden-winged Warbler Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
Miscellaneous Communities	Dry Cliff	<b>Birds (1)</b> Peregrine Falcon	
	Forested Ridge and Swale	<b>Birds (9)</b> Solitary Sandpiper Black-billed Cuckoo Olive-sided Flycatcher Least Flycatcher Veery Wood Thrush Brown Thrasher Canada Warbler Rusty Blackbird	<b>Herptiles (1)</b> Four-toed Salamander  <b>Mammals (1)</b> Northern Flying Squirrel
	Great Lakes Beach	<b>Birds (5)</b> Piping Plover Whimbrel Dunlin <i>Caspian Tern</i> Common Tern	
	Great Lakes Dune	<b>Birds (1)</b> Piping Plover	
	Great Lakes Rockshore	None identified	

Table 3-32 *continued*

Community Group	Natural Communities that are Major Opportunities in the Northern Lake Michigan Coastal Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Lake Michigan	<b>Birds (4)</b> Bald Eagle Horned Grebe <i>Caspian Tern</i> Common Tern	<b>Fish (3)</b> Lake Sturgeon Greater Redhorse Banded Killifish  <b>Herptiles (1)</b> Mudpuppy
	Warmwater rivers	<b>Birds (6)</b> Great Egret Canvasback Lesser Scaup Osprey Bald Eagle Dunlin  <b>Fish (6)</b> Lake Sturgeon Redfin Shiner Shoal Chub (Speckled Chub) Greater Redhorse Longear Sunfish Western Sand Darter	<b>Herptiles (5)</b> Mudpuppy Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Fish (4)</b> Pugnose Shiner Redfin Shiner Greater Redhorse Longear Sunfish	<b>Herptiles (4)</b> Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle  <b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

**Table 3-33. Ecological Priority habitat-species opportunities within the Central Lake Michigan Coastal**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Central Lake Michigan Coastal Ecological Landscape</b>	<b>Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores</b>	
Miscellaneous Communities	Dry Cliff	<b>Birds (1)</b> Peregrine Falcon	
	Forested Ridge and Swale	<b>Birds (8)</b> Solitary Sandpiper Black-billed Cuckoo Least Flycatcher Veery Wood Thrush Brown Thrasher Canada Warbler Rusty Blackbird	<b>Herptiles (1)</b> Four-toed Salamander
	Great Lakes Beach	<b>Birds (5)</b> Piping Plover Whimbrel Dunlin <i>Caspian Tern</i> Common Tern	
	Great Lakes Dune	<b>Birds (1)</b> Piping Plover	
Aquatic	Lake Michigan	<b>Birds (4)</b> Horned Grebe Bald Eagle <i>Caspian Tern</i> Common Tern	<b>Fish (3)</b> Lake Sturgeon Greater Redhorse Banded Killifish  <b>Herptiles (1)</b> Mudpuppy
	Warmwater rivers	<b>Birds (7)</b> Great Egret Yellow-crowned Night-Heron Canvasback Lesser Scaup Osprey Bald Eagle Dunlin  <b>Fish (5)</b> Lake Sturgeon Shoal Chub (Speckled Chub) River Redhorse Greater Redhorse Western Sand Darter	<b>Herptiles (4)</b> Mudpuppy Pickerel Frog Wood Turtle Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-33 *continued*

Community Group	Natural Communities that are Major Opportunities in the Central Lake Michigan Coastal Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Warmwater streams	<b><i>Birds (1)</i></b> Solitary Sandpiper  <b><i>Fish (2)</i></b> Redside Dace Greater Redhorse	<b><i>Herptiles (3)</i></b> Pickerel Frog Wood Turtle Blanding's Turtle  <b><i>Mammals (4)</i></b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

**Table 3-34. Ecological Priority habitat-species opportunities within the Western Prairie**

Community Group	Natural Communities that are Major Opportunities in the Western Prairie Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland	Mesic Prairie	<b>Birds (12)</b> Blue-winged Teal Northern Harrier American Golden Plover Upland Sandpiper Marbled Godwit Short-eared Owl Willow Flycatcher Dickcissel Field Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark	<b>Herptiles (3)</b> Pickerel Frog Blanding's Turtle Timber Rattlesnake  <b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole
	Surrogate Grasslands	<b>Birds (18)</b> Blue-winged Teal Northern Harrier American Golden Plover Upland Sandpiper Marbled Godwit Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Loggerhead Shrike Dickcissel Field Sparrow Grasshopper Sparrow Henslow's Sparrow Le Conte's Sparrow Bobolink Western Meadowlark Eastern Meadowlark	<b>Mammals (3)</b> <i>White-tailed Jackrabbit</i> Franklin's Ground Squirrel Prairie Vole

Table 3-34 *continued*

Community Group	Natural Communities that are Major Opportunities in the Western Prairie Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland	Emergent Aquatic	<b>Birds (15)</b> <i>Red-necked Grebe</i> American Bittern Great Egret Trumpeter Swan Blue-winged Teal <i>King Rail</i> American Golden Plover Solitary Sandpiper Hudsonian Godwit Marbled Godwit Dunlin Buff-breasted Sandpiper Short-billed Dowitcher Black Tern Rusty Blackbird	<b>Herptiles (2)</b> Pickerel Frog Blanding's Turtle
Aquatic	Coldwater streams	<b>Birds (2)</b> Solitary Sandpiper Louisiana Waterthrush	<b>Herptiles (4)</b> Mudpuppy Pickerel Frog Wood Turtle Blanding's Turtle
	Coolwater streams	<b>Birds (2)</b> Solitary Sandpiper Louisiana Waterthrush	<b>Herptiles (3)</b> Pickerel Frog Wood Turtle Blanding's Turtle
	Warmwater rivers	<b>Birds (4)</b> Great Egret Canvasback Lesser Scaup Dunlin  <b>Fish (6)</b> Lake Sturgeon <i>Blue Sucker</i> River Redhorse Greater Redhorse <i>Crystal Darter</i> Western Sand Darter	<b>Herptiles (4)</b> Mudpuppy Pickerel Frog Wood Turtle Blanding's Turtle



**Table 3-34** *continued*

Community Group	Natural Communities that are Major Opportunities in the Western Prairie Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Warmwater streams	<b><i>Birds (1)</i></b> Solitary Sandpiper  <b><i>Fish (1)</i></b> Greater Redhorse	<b><i>Herptiles (3)</i></b> Pickerel Frog Wood Turtle Blanding's Turtle

**Table 3-35. Ecological Priority habitat-species opportunities within the Western Coulee and Ridges**

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern Forest	Floodplain Forest	<b>Birds (18)</b> Great Egret Yellow-crowned Night-Heron Blue-winged Teal Red-shouldered Hawk Solitary Sandpiper Black-billed Cuckoo Yellow-billed Cuckoo Red-headed Woodpecker Acadian Flycatcher Least Flycatcher Veery Wood Thrush Blue-winged Warbler <i>Yellow-throated Warbler</i> Cerulean Warbler Prothonotary Warbler <i>Kentucky Warbler</i> Rusty Blackbird	<b>Herptiles (7)</b> Four-toed Salamander Pickerel Frog Wood Turtle Blanding's Turtle Black Rat Snake Timber Rattlesnake Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Hemlock Relict	<b>Birds (1)</b> Veery	<b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Pine Relict	<b>Birds (2)</b> Whip-poor-will Veery  <b>Herptiles (3)</b> Black Rat Snake Bullsnae Timber Rattlesnake	<b>Mammals (2)</b> Eastern Red Bat Hoary Bat

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern Forest (cont.)	Southern Dry Forest	<b>Birds (5)</b> Whip-poor-will Red-headed Woodpecker Wood Thrush Blue-winged Warbler <i>Worm-eating Warbler</i>  <b>Herptiles (8)</b> Ornate Box Turtle Northern Prairie Skink <i>Western Worm Snake</i> Yellow-bellied Racer Ring-neck Snake Black Rat Snake Bullsnake Timber Rattlesnake	<b>Mammals (3)</b> Northern Long-eared Bat Eastern Red Bat Woodland Vole
	Southern Dry-Mesic Forest	<b>Birds (14)</b> Red-shouldered Hawk Yellow-billed Cuckoo Whip-poor-will Red-headed Woodpecker Acadian Flycatcher Veery Wood Thrush Blue-winged Warbler <i>Yellow-throated Warbler</i> Cerulean Warbler <i>Worm-eating Warbler</i> <i>Kentucky Warbler</i> Hooded Warbler Louisiana Waterthrush	<b>Herptiles (9)</b> Blanding's Turtle Ornate Box Turtle Northern Prairie Skink <i>Western Worm Snake</i> Yellow-bellied Racer Ring-neck Snake Black Rat Snake Bullsnake Timber Rattlesnake  <b>Mammals (3)</b> Northern Long-eared Bat Eastern Red Bat Woodland Vole

Table 3-35 *continued*

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern Forest (cont.)	Southern Mesic Forest	<b>Birds (11)</b> Red-shouldered Hawk Yellow-billed Cuckoo Acadian Flycatcher Veery Wood Thrush Blue-winged Warbler Cerulean Warbler <i>Worm-eating Warbler</i> <i>Kentucky Warbler</i> Hooded Warbler Louisiana Waterthrush	<b>Herptiles (8)</b> Four-toed Salamander Pickerel Frog Wood Turtle Blanding's Turtle Ornate Box Turtle Black Rat Snake Bullsnake Timber Rattlesnake  <b>Mammals (2)</b> Northern Long-eared Bat Eastern Red Bat
		<b>Birds (2)</b> Field Sparrow Lark Sparrow	<b>Herptiles (10)</b> Blanding's Turtle Ornate Box Turtle Northern Prairie Skink Prairie Racerunner <i>Western Worm Snake</i> Yellow-bellied Racer Ring-neck Snake Black Rat Snake Bullsnake Timber Rattlesnake
Oak Savanna	Cedar Glade	<b>Birds (8)</b> Northern Bobwhite Red-headed Woodpecker Brown Thrasher Blue-winged Warbler Field Sparrow Vesper Sparrow Henslow's Sparrow Eastern Meadowlark	<b>Herptiles (10)</b> Wood Turtle Blanding's Turtle Ornate Box Turtle Western Slender Glass Lizard Northern Prairie Skink Prairie Racerunner Ring-neck Snake Black Rat Snake Bullsnake Timber Rattlesnake  <b>Mammals (4)</b> Eastern Red Bat Franklin's Ground Squirrel Prairie Vole Woodland Vole
	Oak Opening		

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Oak Savanna (cont.)	Oak Woodland	<b>Birds (5)</b> Red-headed Woodpecker Whip-poor-will Wood Thrush Blue-winged Warbler Cerulean Warbler  <b>Herptiles (8)</b> Wood Turtle Blanding's Turtle Ornate Box Turtle Northern Prairie Skink Ring-neck Snake Black Rat Snake Bullsnake Timber Rattlesnake	<b>Mammals (4)</b> Northern Long-eared Bat Eastern Red Bat Franklin's Ground Squirrel Woodland Vole
Barrens	Oak Barrens	<b>Birds (11)</b> Northern Harrier Upland Sandpiper Black-billed Cuckoo Whip-poor-will Red-headed Woodpecker Brown Thrasher Field Sparrow Vesper Sparrow Lark Sparrow Grasshopper Sparrow Western Meadowlark	<b>Herptiles (9)</b> Wood Turtle Blanding's Turtle Western Slender Glass Lizard Northern Prairie Skink Prairie Racerunner Yellow-bellied Racer Ring-neck Snake Bullsnake Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Eastern Red Bat Franklin's Ground Squirrel Prairie Vole

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland	Dry Prairie	<b>Birds (12)</b> Northern Harrier Northern Bobwhite Upland Sandpiper Short-eared Owl Brown Thrasher Bell's Vireo Field Sparrow Vesper Sparrow Lark Sparrow Grasshopper Sparrow Eastern Meadowlark Western Meadowlark	<b>Herptiles (13)</b> Wood Turtle Blanding's Turtle Ornate Box Turtle Western Slender Glass Lizard Northern Prairie Skink Prairie Racerunner <i>Western Worm Snake</i> Yellow-bellied Racer Ring-neck Snake Black Rat Snake Bullsnake Timber Rattlesnake Eastern Massasauga Rattlesnake  <b>Mammals (1)</b> Prairie Vole
	Dry-Mesic Prairie	<b>Birds (18)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Bell's Vireo Dickcissel Field Sparrow Vesper Sparrow Grasshopper Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark Western Meadowlark	<b>Herptiles (11)</b> Wood Turtle Blanding's Turtle Ornate Box Turtle Western Slender Glass Lizard Northern Prairie Skink Yellow-bellied Racer Ring-neck Snake Bullsnake Black Rat Snake Timber Rattlesnake Eastern Massasauga Rattlesnake  <b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland (cont.)	Sand Prairie	<b>Birds (9)</b> Upland Sandpiper Brown Thrasher Bell's Vireo Field Sparrow Vesper Sparrow Lark Sparrow Grasshopper Sparrow Eastern Meadowlark Western Meadowlark	<b>Herptiles (11)</b> Wood Turtle Blanding's Turtle Ornate Box Turtle Western Slender Glass Lizard Northern Prairie Skink Prairie Racerunner Yellow-bellied Racer Ring-neck Snake Bullsnake Timber Rattlesnake Eastern Massasauga Rattlesnake  <b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole
	Surrogate Grasslands	<b>Birds (17)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Bell's Vireo Dickcissel Field Sparrow Grasshopper Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark Western Meadowlark	<b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole

Table 3-35 *continued*

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland	Emergent Aquatic	<b>Birds (11)</b> Great Egret Yellow-crowned Night-Heron Blue-winged Teal <i>King Rail</i> Whooping Crane American Golden Plover Solitary Sandpiper Buff-breasted Sandpiper Short-billed Dowitcher Black Tern Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Blanchard's Cricket Frog Pickerel Frog Blanding's Turtle Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Shrub Carr	<b>Birds (10)</b> Yellow-crowned Night-Heron American Woodcock Black-billed Cuckoo Yellow-billed Cuckoo Short-eared Owl Willow Flycatcher Veery Bell's Vireo Blue-winged Warbler Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Wood Turtle Blanding's Turtle Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Submergent Aquatic	<b>Birds (8)</b> Great Egret Yellow-crowned Night-Heron Blue-winged Teal Canvasback Lesser Scaup Bald Eagle Whooping Crane Black Tern	<b>Herptiles (4)</b> Blanchard's Cricket Frog Pickerel Frog Wood Turtle Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
Miscellaneous Communities	Algific Talus Slope	None identified	



Table 3-35 *continued*

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Miscellaneous Communities (cont.)	Bedrock Glade	<b>Birds (2)</b> Whip-poor-will Blue-winged Warbler	<b>Herptiles (5)</b> Northern Prairie Skink Prairie Racerunner Ring-neck Snake Bullsnake Timber Rattlesnake
	Dry Cliff	<b>Birds (1)</b> Peregrine Falcon	<b>Herptiles (5)</b> Northern Prairie Skink Yellow-bellied Racer Black Rat Snake Bullsnake Timber Rattlesnake
	Moist Cliff	None identified	
Aquatic	Coldwater streams	<b>Birds (2)</b> Solitary Sandpiper Louisiana Waterthrush  <b>Fish (1)</b> Redside Dace	<b>Herptiles (5)</b> Four-toed Salamander Blanchard's Cricket Frog Pickerel Frog Wood Turtle Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Coolwater streams	<b>Birds (2)</b> Solitary Sandpiper Louisiana Waterthrush  <b>Fish (1)</b> Redside Dace	<b>Herptiles (5)</b> Four-toed Salamander Blanchard's Cricket Frog Pickerel Frog Wood Turtle Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-35 *continued*

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Warmwater rivers	<b>Birds (6)</b> Great Egret Yellow-crowned Night-Heron Canvasback Lesser Scaup Osprey Bald Eagle	<b>Herptiles (4)</b> Blanchard's Cricket Frog Pickerel Frog Wood Turtle <i>Midland Smooth Softshell Turtle</i>
		<b>Fish (13)</b> Lake Sturgeon <i>Paddlefish</i> <i>Goldeye</i> <i>Pallid Shiner</i> <i>Shoal Chub (Speckled Chub)</i> <i>Blue Sucker</i> <i>Black Buffalo</i> River Redhorse Starhead Topminnow <i>Crystal Darter</i> Western Sand Darter <i>Bluntnose Darter</i> Gilt Darter	<b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Blanding's Turtle

**Table 3-36. Ecological Priority habitat-species opportunities within the Southwest Savanna**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Southwest Savanna Ecological Landscape</b>	<b>Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores</b>	
Oak Savanna	Oak Opening	<b><i>Birds (8)</i></b> Northern Bobwhite Red-headed Woodpecker Brown Thrasher Blue-winged Warbler Field Sparrow Vesper Sparrow Henslow's Sparrow Eastern Meadowlark	<b><i>Herptiles (5)</i></b> Blanding's Turtle Ornate Box Turtle Ring-neck Snake Bullsnake Timber Rattlesnake  <b><i>Mammals (4)</i></b> Eastern Red Bat Franklin's Ground Squirrel Prairie Vole Woodland Vole
	Oak Woodland	<b><i>Birds (3)</i></b> Red-headed Woodpecker Wood Thrush Blue-winged Warbler  <b><i>Herptiles (5)</i></b> Blanding's Turtle Ornate Box Turtle Ring-neck Snake Bullsnake Timber Rattlesnake	<b><i>Mammals (4)</i></b> Northern Long-eared Bat Eastern Red Bat Franklin's Ground Squirrel Woodland Vole
Grassland	Dry Prairie	<b><i>Birds (12)</i></b> Northern Harrier Northern Bobwhite Upland Sandpiper Short-eared Owl Brown Thrasher Loggerhead Shrike Bell's Vireo Field Sparrow Vesper Sparrow Grasshopper Sparrow Eastern Meadowlark Western Meadowlark	<b><i>Herptiles (6)</i></b> Blanding's Turtle Ornate Box Turtle Yellow-bellied Racer Ring-neck Snake Bullsnake Timber Rattlesnake  <b><i>Mammals (1)</i></b> Prairie Vole

Table 3-36 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southwest Savanna Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland (cont.)	Dry-Mesic Prairie	<b>Birds (19)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Loggerhead Shrike Bell's Vireo Dickcissel Field Sparrow Vesper Sparrow Grasshopper Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark Western Meadowlark	<b>Herptiles (8)</b> Franklin's Ground Squirrel Prairie Vole Blanding's Turtle Ornate Box Turtle Yellow-bellied Racer Ring-neck Snake Bullsnake Timber Rattlesnake
	Mesic Prairie	<b>Birds (12)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Short-eared Owl Willow Flycatcher Dickcissel Field Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark	<b>Herptiles (3)</b> Pickerel Frog Blanding's Turtle Bullsnake Timber Rattlesnake  <b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole

Table 3-36 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southwest Savanna Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland (cont.)	Surrogate Grasslands	<b>Birds (18)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Loggerhead Shrike Bell's Vireo Dickcissel Field Sparrow Grasshopper Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark Western Meadowlark	<b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole
Aquatic	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Fish (2)</b> Ozark Minnow Slender Madtom	<b>Herptiles (3)</b> Blanchard's Cricket Frog Pickerel Frog Blanding's Turtle  <b>Mammals (2)</b> Northern Long-eared Bat Eastern Red Bat

**Table 3-37. Ecological Priority habitat-species opportunities within the Central Sand Plains**

Community Group	Natural Communities that are Major Opportunities in the Central Sand Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Northern Forest	Northern Wet Forest	<b>Birds (4)</b> Veery Golden-winged Warbler Connecticut Warbler Canada Warbler	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Wood Turtle  <b>Mammals (5)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
Southern Forest	Central Sands Pine – Oak Forest	<b>Birds (2)</b> Whip-poor-will Red-headed Woodpecker  <b>Herptiles (2)</b> Ring-neck Snake Bullsnake	<b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
	Floodplain Forest	<b>Birds (13)</b> Blue-winged Teal Red-shouldered Hawk Solitary Sandpiper Black-billed Cuckoo Yellow-billed Cuckoo Red-headed Woodpecker Least Flycatcher Veery Wood Thrush Blue-winged Warbler Cerulean Warbler Prothonotary Warbler Rusty Blackbird	<b>Herptiles (4)</b> Four-toed Salamander Pickerel Frog Wood Turtle Blanding's Turtle Eastern Massasauga Rattlesnake  <b>Mammals (6)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
	Southern Dry-Mesic Forest	<b>Birds (9)</b> Red-shouldered Hawk Yellow-billed Cuckoo Whip-poor-will Red-headed Woodpecker Veery Wood Thrush Blue-winged Warbler Cerulean Warbler Louisiana Waterthrush	<b>Herptiles (4)</b> Blanding's Turtle Yellow-bellied Racer Ring-neck Snake Bullsnake  <b>Mammals (3)</b> Northern Long-eared Bat Eastern Red Bat Gray Wolf

Table 3-37 *continued*

Community Group	Natural Communities that are Major Opportunities in the Central Sand Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern Forest (cont.)	White Pine – Red Maple Swamp	<b>Birds (4)</b> Northern Goshawk Red-shouldered Hawk Veery Canada Warbler	<b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
Barrens	Oak Barrens	<b>Birds (12)</b> Northern Harrier Sharp-tailed Grouse Upland Sandpiper Black-billed Cuckoo Whip-poor-will Red-headed Woodpecker Brown Thrasher Field Sparrow Vesper Sparrow Lark Sparrow Grasshopper Sparrow Western Meadowlark	<b>Herptiles (7)</b> Wood Turtle Blanding's Turtle Western Slender Glass Lizard Yellow-bellied Racer Ring-neck Snake Bullsnake Eastern Massasauga Rattlesnake  <b>Mammals (5)</b> Northern Long-eared Bat Eastern Red Bat Franklin's Ground Squirrel Prairie Vole Gray Wolf
	Pine Barrens	<b>Birds (11)</b> Northern Harrier Sharp-tailed Grouse Upland Sandpiper Black-billed Cuckoo Whip-poor-will Brown Thrasher Connecticut Warbler Field Sparrow Vesper Sparrow Lark Sparrow Red Crossbill	<b>Herptiles (6)</b> Wood Turtle Blanding's Turtle Western Slender Glass Lizard Yellow-bellied Racer Bullsnake Eastern Massasauga Rattlesnake  <b>Mammals (2)</b> Franklin's Ground Squirrel Gray Wolf
Grassland	Sand Prairie	<b>Birds (8)</b> Upland Sandpiper Brown Thrasher Field Sparrow Vesper Sparrow Lark Sparrow Grasshopper Sparrow Eastern Meadowlark Western Meadowlark	<b>Herptiles (7)</b> Wood Turtle Blanding's Turtle Western Slender Glass Lizard Yellow-bellied Racer Ring-neck Snake Bullsnake Eastern Massasauga  <b>Mammals (3)</b> White-tailed Jackrabbit Franklin's Ground Squirrel Prairie Vole

Table 3-37 *continued*

Community Group	Natural Communities that are Major Opportunities in the Central Sand Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland (cont.)	Surrogate Grasslands	<b>Birds (17)</b> Blue-winged Teal Northern Harrier <i>Greater Prairie-Chicken</i> Sharp-tailed Grouse American Golden Plover Upland Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Dickcissel Field Sparrow Grasshopper Sparrow Henslow's Sparrow Le Conte's Sparrow Bobolink Eastern Meadowlark Western Meadowlark	<b>Mammals (3)</b> <i>White-tailed Jackrabbit</i> Franklin's Ground Squirrel Prairie Vole
Wetland	Alder Thicket	<b>Birds (6)</b> American Woodcock Black-billed Cuckoo Veery Golden-winged Warbler Canada Warbler Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Wood Turtle Blanding's Turtle Eastern Massasauga Rattlesnake  <b>Mammals (6)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
	Northern Sedge Meadow	<b>Birds (12)</b> American Bittern Blue-winged Teal Northern Harrier <i>Greater Prairie-Chicken</i> Sharp-tailed Grouse Yellow Rail Whooping Crane <i>Wilson's Phalarope</i> Black Tern Short-eared Owl Le Conte's Sparrow Bobolink	<b>Herptiles (4)</b> Four-toed Salamander Pickerel Frog Wood Turtle Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat



Table 3-37 *continued*

Community Group	Natural Communities that are Major Opportunities in the Central Sand Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Open Bog	<b>Birds (11)</b> American Bittern Northern Harrier Yellow Rail Whooping Crane Solitary Sandpiper Golden-winged Warbler Connecticut Warbler Henslow's Sparrow Le Conte's Sparrow Bobolink Rusty Blackbird	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Eastern Massasauga Rattlesnake  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
	Shrub Carr	<b>Birds (9)</b> American Woodcock Black-billed Cuckoo Yellow-billed Cuckoo Short-eared Owl Willow Flycatcher Veery Blue-winged Warbler Golden-winged Warbler Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Wood Turtle Blanding's Turtle Eastern Massasauga Rattlesnake  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
Aquatic	Impoundments/Reservoirs	<b>Birds (10)</b> Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Osprey Bald Eagle American Golden Plover Dunlin Short-billed Dowitcher Black Tern	<b>Fish (1)</b> Lake Sturgeon  <b>Herptiles (3)</b> Mudpuppy Pickerel Frog Blanding's Turtle
Miscellaneous Communities	Dry Cliff	<b>Herptiles (2)</b> Yellow-bellied Racer Bullsnake	

**Table 3-38. Ecological Priority habitat-species opportunities within the Central Sand Hills**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Central Sand Hills Ecological Landscape</b>	<b>Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores</b>	
Northern Forest	Northern Wet Forest	<b>Birds (2)</b> Veery Golden-winged Warbler  <b>Herptiles (2)</b> Four-toed Salamander Pickerel Frog	<b>Mammals (5)</b> Water Shrew Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
Southern Forest	Central Sands Pine – Oak Forest	<b>Birds (2)</b> Whip-poor-will Red-headed Woodpecker  <b>Herptiles (2)</b> Ornate Box Turtle Bullsnake	<b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
	Southern Dry Forest	<b>Birds (4)</b> Whip-poor-will Red-headed Woodpecker Wood Thrush Blue-winged Warbler	<b>Herptiles (3)</b> Ornate Box Turtle Yellow-bellied Racer Bullsnake  <b>Mammals (3)</b> Northern Long-eared Bat Eastern Red Bat Gray Wolf
Grassland	Wet-Mesic Prairie	<b>Birds (12)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Short-eared Owl Willow Flycatcher Field Sparrow Henslow's Sparrow Le Conte's Sparrow Bobolink Eastern Meadowlark	<b>Herptiles (2)</b> Pickerel Frog Blanding's Turtle  <b>Mammals (1)</b> Franklin's Ground Squirrel
Wetland	Calcareous Fen	<b>Birds (3)</b> American Woodcock Willow Flycatcher Rusty Blackbird  <b>Herptiles (1)</b> Pickerel Frog	<b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-38 *continued*

Community Group	Natural Communities that are Major Opportunities in the Central Sand Hills Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Coastal Plain Marsh	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (1)</b> Blanding's Turtle	<b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Southern Sedge Meadow	<b>Birds (8)</b> American Bittern Blue-winged Teal Northern Harrier Whooping Crane Short-eared Owl Willow Flycatcher Bobolink Eastern Meadowlark	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Emergent Aquatic	<b>Birds (11)</b> American Bittern Blue-winged Teal Whooping Crane American Golden Plover Solitary Sandpiper Hudsonian Godwit Dunlin Short-billed Dowitcher Forster's Tern Black Tern Rusty Blackbird	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Shrub Carr	<b>Birds (9)</b> American Woodcock Black-billed Cuckoo Yellow-billed Cuckoo Short-eared Owl Willow Flycatcher Veery Blue-winged Warbler Golden-winged Warbler Rusty Blackbird	<b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle  <b>Mammals (5)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
Aquatic	Impoundments/Reservoirs	<b>Birds (8)</b> Blue-winged Teal Osprey Bald Eagle American Golden Plover Dunlin Short-billed Dowitcher Forster's Tern Black Tern	<b>Fish (2)</b> Lake Sturgeon <i>Black Buffalo</i>  <b>Herptiles (2)</b> Pickerel Frog Blanding's Turtle

Table 3-38 *continued*

Community Group	Natural Communities that are Major Opportunities in the Central Sand Hills Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Inland lakes	<b>Birds (4)</b> Blue-winged Teal Osprey Bald Eagle Black Tern  <b>Fish (3)</b> Lake Sturgeon Banded Killifish Least Darter	<b>Herptiles (2)</b> Pickerel Frog Blanding's Turtle  <b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Warmwater rivers	<b>Birds (3)</b> Osprey Bald Eagle Dunlin  <b>Fish (6)</b> Lake Sturgeon Paddlefish Shoal Chub ( <i>Speckled Chub</i> ) Black Buffalo Western Sand Darter Least Darter	<b>Herptiles (3)</b> Pickerel Frog Blanding's Turtle <i>Midland Smooth Softshell Turtle</i>  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Coldwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Herptiles (3)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle	<b>Mammals (5)</b> Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

**Table 3-39. Ecological Priority habitat-species opportunities within the Southeast Glacial Plain**

<b>Community Group</b>	<b>Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape</b>	<b>Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores</b>	
Northern Forest	Northern Dry-Mesic Forest	<b>Birds (5)</b> Acadian Flycatcher Wood Thrush Cerulean Warbler Louisiana Waterthrush Hooded Warbler	<b>Herptiles (1)</b> Ornate Box Turtle
	Northern Hardwood Swamp	<b>Birds (4)</b> American Woodcock Least Flycatcher Veery Golden-winged Warbler  <b>Herptiles (1)</b> Four-toed Salamander	<b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
Southern Forest	Southern Dry Forest	<b>Birds (4)</b> Whip-poor-will Red-headed Woodpecker Wood Thrush Blue-winged Warbler	<b>Herptiles (1)</b> Yellow-bellied Racer  <b>Mammals (3)</b> Northern Long-eared Bat Eastern Red Bat Woodland Vole
	Southern Dry-Mesic Forest	<b>Birds (7)</b> Red-shouldered Hawk Yellow-billed Cuckoo Whip-poor-will Red-headed Woodpecker Veery Blue-winged Warbler Yellow-throated Warbler	<b>Herptiles (2)</b> Blanding's Turtle Yellow-bellied Racer  <b>Mammals (3)</b> Northern Long-eared Bat Eastern Red Bat Woodland Vole
	Southern Hardwood Swamp	<b>Birds (2)</b> Yellow-crowned Night-Heron Yellow-billed Cuckoo	<b>Herptiles (3)</b> Pickerel Frog Blanding's Turtle Eastern Massasauga Rattlesnake  <b>Mammals (2)</b> Northern Long-eared Bat Eastern Red Bat

Table 3-39 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern Forest (cont.)	Floodplain Forest	<b>Birds (16)</b> Yellow-crowned Night-Heron Blue-winged Teal Red-shouldered Hawk Solitary Sandpiper Black-billed Cuckoo Yellow-billed Cuckoo Red-headed Woodpecker Acadian Flycatcher Least Flycatcher Veery Wood Thrush Blue-winged Warbler <i>Yellow-throated Warbler</i> Prothonotary Warbler Cerulean Warbler Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle Butler's Garter Snake Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Southern Tamarack Swamp	<b>Birds (4)</b> American Woodcock Black-billed Cuckoo Blue-winged Warbler Rusty Blackbird	<b>Herptiles (2)</b> Four-toed Salamander Blanding's Turtle
Oak Savanna	Oak Opening	<b>Birds (8)</b> Northern Bobwhite Red-headed Woodpecker Brown Thrasher Blue-winged Warbler Field Sparrow Vesper Sparrow Henslow's Sparrow Eastern Meadowlark	<b>Herptiles (2)</b> Blanding's Turtle Ornate Box Turtle  <b>Mammals (4)</b> Eastern Red Bat Franklin's Ground Squirrel Prairie Vole Woodland Vole
	Oak Woodland	<b>Birds (5)</b> Whip-poor-will Red-headed Woodpecker Wood Thrush Blue-winged Warbler Cerulean Warbler	<b>Herptiles (2)</b> Blanding's Turtle Ornate Box Turtle  <b>Mammals (4)</b> Northern Long-eared Bat Eastern Red Bat Franklin's Ground Squirrel Woodland Vole

Table 3-39 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland	Dry Prairie	<b>Birds (13)</b> Northern Harrier Northern Bobwhite Upland Sandpiper Short-eared Owl Brown Thrasher Loggerhead Shrike Bell's Vireo Field Sparrow Vesper Sparrow Lark Sparrow Grasshopper Sparrow Eastern Meadowlark Western Meadowlark	<b>Herptiles (4)</b> Blanding's Turtle Ornate Box Turtle Yellow-bellied Racer Eastern Massasauga Rattlesnake  <b>Mammals (1)</b> Prairie Vole
	Dry-Mesic Prairie	<b>Birds (20)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Marbled Godwit Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Loggerhead Shrike Bell's Vireo Dickcissel Field Sparrow Vesper Sparrow Grasshopper Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark Western Meadowlark	<b>Herptiles (5)</b> Blanding's Turtle Ornate Box Turtle Yellow-bellied Racer Butler's Garter Snake Eastern Massasauga Rattlesnake  <b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole

Table 3-39 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland (cont.)	Mesic Prairie	<b>Birds (13)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Marbled Godwit Short-eared Owl Willow Flycatcher Dickcissel Field Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark	<b>Herptiles (4)</b> Pickerel Frog Blanding's Turtle Butler's Garter Snake Eastern Massasauga Rattlesnake  <b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole
	Surrogate Grasslands	<b>Birds (19)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Marbled Godwit Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Loggerhead Shrike Bell's Vireo Dickcissel Field Sparrow Grasshopper Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark Western Meadowlark	<b>Mammals (2)</b> Franklin's Ground Squirrel Prairie Vole



Table 3-39 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland (cont.)	Wet-Mesic Prairie	<b>Birds (14)</b> Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Marbled Godwit Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Bell's Vireo Field Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark	<b>Herptiles (4)</b> Pickerel Frog Blanding's Turtle Butler's Garter Snake Eastern Massasauga Rattlesnake  <b>Mammals (1)</b> Franklin's Ground Squirrel
Wetland	Bog Relict	<b>Birds (5)</b> American Woodcock Whip-poor-will Willow Flycatcher Blue-winged Warbler Rusty Blackbird	<b>Herptiles (2)</b> Four-toed Salamander <i>Northern Ribbon Snake</i>  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Calcareous Fen	<b>Birds (3)</b> American Woodcock Willow Flycatcher Rusty Blackbird  <b>Herptiles (3)</b> Pickerel Frog Butler's Garter Snake Eastern Massasauga Rattlesnake	<b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-39 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Emergent Aquatic	<b>Birds (20)</b> <i>Red-necked Grebe</i> American Bittern <i>Snowy Egret</i> Yellow-crowned Night-Heron Blue-winged Teal Redhead <i>King Rail</i> Whooping Crane American Golden Plover Solitary Sandpiper Whimbrel Hudsonian Godwit Marbled Godwit Dunlin Buff-breasted Sandpiper Short-billed Dowitcher Common Tern Forster's Tern Black Tern Rusty Blackbird	<b>Herptiles (6)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle Queen Snake Butler's Garter Snake Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Shrub Carr	<b>Birds (11)</b> Yellow-crowned Night-Heron American Woodcock Black-billed Cuckoo Yellow-billed Cuckoo Short-eared Owl Willow Flycatcher Veery Bell's Vireo Blue-winged Warbler Golden-winged Warbler Rusty Blackbird	<b>Herptiles (5)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle Queen Snake Butler's Garter Snake <i>Northern Ribbon Snake</i> Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-39 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Southern Sedge Meadow	<b>Birds (9)</b> American Bittern Blue-winged Teal Northern Harrier <i>King Rail</i> Whooping Crane Short-eared Owl Willow Flycatcher Bobolink Eastern Meadowlark	<b>Herptiles (6)</b> Four-toed Salamander Pickerel Frog Blanding's Turtle Queen Snake Butler's Garter Snake Eastern Massasauga Rattlesnake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
Aquatic	Impoundments/Reservoirs	<b>Birds (8)</b> Blue-winged Teal Canvasback Lesser Scaup American Golden Plover Dunlin Short-billed Dowitcher Forster's Tern Black Tern	<b>Fish (4)</b> Lake Sturgeon Redfin Shiner <i>Black Buffalo</i> Greater Redhorse  <b>Herptiles (4)</b> Mudpuppy Pickerel Frog Blanding's Turtle Queen Snake
	Inland lakes	<b>Birds (4)</b> Blue-winged Teal Canvasback Lesser Scaup Black Tern  <b>Fish (8)</b> Lake Sturgeon Pugnose Shiner <i>Lake Chubsucker</i> Greater Redhorse Banded Killifish Starhead Topminnow Longear Sunfish Least Darter	<b>Herptiles (5)</b> Mudpuppy Pickerel Frog Blanding's Turtle Queen Snake <i>Northern Ribbon Snake</i>  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-39 *continued*

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic (cont.)	Warmwater rivers	<b>Birds (4)</b> Yellow-crowned Night-Heron Canvasback Lesser Scaup Dunlin  <b>Fish (10)</b> Lake Sturgeon <i>Gravel Chub</i> Redfin Shiner <i>Black Buffalo</i> River Redhorse Greater Redhorse Starhead Topminnow Longear Sunfish Western Sand Darter Least Darter	<b>Herptiles (4)</b> Mudpuppy Pickerel Frog Blanding's Turtle Queen Snake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Fish (9)</b> Redside Dace Pugnose Shiner <i>Ozark Minnow</i> Redfin Shiner Greater Redhorse <i>Slender Madtom</i> Starhead Topminnow Longear Sunfish Least Darter	<b>Herptiles (3)</b> Pickerel Frog Blanding's Turtle Queen Snake  <b>Mammals (4)</b> Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
Miscellaneous Communities	Dry Cliff	<b>Herptiles (1)</b> Yellow-bellied Racer	

**Table 3-40. Ecological Priority habitat-species opportunities within the Southern Lake Michigan Coastal**

Community Group	Natural Communities that are Major Opportunities in the Southern Lake Michigan Coastal Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland	Wet-Mesic Prairie	<b>Birds (11)</b> Blue-winged Teal Northern Harrier Marbled Godwit Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Bell's Vireo Field Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark	<b>Herptiles (3)</b> Blanding's Turtle Butler's Garter Snake Eastern Massasauga Rattlesnake  <b>Mammals (1)</b> Franklin's Ground Squirrel
Aquatic	Lake Michigan	<b>Birds (1)</b> Horned Grebe  <b>Fish (2)</b> Lake Sturgeon Greater Redhorse	<b>Herptiles (1)</b> Mudpuppy
	Warmwater streams	<b>Birds (1)</b> Solitary Sandpiper  <b>Fish (1)</b> Greater Redhorse	<b>Herptiles (2)</b> Blanding's Turtle Queen Snake